

College Notes Gallery

Mohan Sahu

UG Scholar, Computer Science & Engineering
Shri Shankaracharya Institute of Professional Management and Technology
Raipur, Chhattisgarh, India
mohan.sahu@ssipmt.com

Mr. Dheeraj Kumar Ghaghre

Assistant Professor, CSE Department
Shri Shankaracharya Institute of Professional Management and Technology
Raipur, Chhattisgarh, India
Dk.ghaghre@ssipmt.com

Abdus Sami Khan

UG Scholar, Computer Science & Engineering
Shri Shankaracharya Institute of Professional Management and Technology
Raipur, Chhattisgarh, India
abdus.khan@ssipmt.com

Ayasha Pandey

UG Scholar, Computer Science & Engineering
Shri Shankaracharya Institute of Professional Management and Technology
Raipur, Chhattisgarh, India
ayasha.pandey@ssipmt.com

Abstract - Within the prevailing system all the activities are done manually. It becomes very challenging to handle the critical notes when needed because most notes are distributed over WhatsApp or any other form of messaging app. It's extremely time consuming. In our proposed system "College Notes Gallery" the info will be stored in the college server. To store the info SQL server will be used. The Admin, Faculty should be a register user. College staff can upload notes in a similar way of text, videos and image documents, attendance, college notifica-

tions, and online interface through admin. The courses and subject management module will do the assigning of subjects for each course that the college offers. For the removal of duplication of the files we've used Myer's diff algorithm. The admin of the varsity can have and monitor the knowledge of the student. The system offers reliability, security, time savings and straightforward control. This might bring more perfection to the work.

Keywords - Pdf text extraction, Notes, File comparison, Web- based, string matching, LCS

I. Introduction

Because the earth is being developed with the new technologies, discovering and manipulating new ideas and ideas of taking everything online are rapidly changing. It's difficult for teachers to circulate their notes to each and every student whom is he/she teaching. College Notes Gallery provide a simple approach enables teachers and students to exchange notes, regardless of the type, such as lecture notes, assignment questions, question papers and every one the important documents. The materials can be uploaded by the instructors and students from anywhere and students can download it. Overall it's managed by the admin. Users of College Notes Gallery can safely register and log in to their individual accounts and make, read, update, delete notes consistent with their needs. It provides notes to everyone during a very secure manner. Multiple users can add this system is being managed by a centralised administrator at the same time. It is a mechanism for managing notes that is particularly helpful for colleges, schools, and other institutes manage and share their notes during a secure, efficient and effective manner. The programming language which we have used to made the software effective and efficient are PHP, JavaScript, CSS, HTML and MariaDB also to store the info we have used MySQL.

II. Working Principle

Many students have trouble studying when it's time for exams because either they don't have the notes provided by teachers or they need to have not been in the college. This technique will provide a platform to easily access the notes. The design and implementation of the system is to supply service in institute and colleges. The system is to supply comprehensive student information system and the current paper records will be replaced by a user interface. College Staff uploads attendance, results, share subject notes. Achieving this objective is difficult using a manual system because the knowledge are scattered, are often redundant and collecting relevant information could even be very time consuming.

III. Implementation

College Notes Gallery, it's a web site application where a student can access their notes within the form of videos, text, images format. there'll be two end users first are visiting be the admin who can access this website and add the notes for the students, admin requires the password and user name to access before that they have to register in this and then after they can login and add the contents into the website. Only admin can access and add but students can only download the contents and can't upload their work.

Fig.1 Visitors can see the heading of each subject



On the opposite hand, an admin has full control over the system. An admin helps in the proper flow of the system. The user is able to add numerous ingredient data by entering topic names, selecting categories, and units. This section also allows to update and delete available ingredients during how simpler way.

Fig. 2 Admin will upload the document

File Name	Similarity (%)	Action
Networking Notes	68%	View Similarity
Networking	90%	View Similarity
Introduction to Networking.pdf	74%	View Similarity

An admin can also change their own passwords whenever they choose. Only need to enter the current password together with a new confirmation password. We also implemented during this that when admin upload something within the web site that content shouldn't be added earlier like two pdf contents won't be same for that the system will extract the pdf contents then compared with the earlier uploaded documents. For this we've used the Myer's d-iff algorithm. Diff takes two texts and finds the differences. This implementation works on a personality by character basis. The results of any diff may contain 'chaff', irrelevant small commonalities which complicate the output. A post-diff clean-up algorithm factors out these trivial commonalities.

Myer's diff algorithm- Algorithm improved the favoured diff utility, a data comparison tool that displays the tiniest set of line-by-line deletions and insertions to rework one file into another. Myer's diff algorithm which is generally considered to be the sole general-purpose diff. A layer of pre-diff speedups and post-diff clean-ups surround the diff algorithm, improving both performance and output quality. The Myers algorithm could even be a "divide and conquer algorithm," which locates the core match between two sequences iteratively. With the tiniest edit script. Once this is often done only the match is memorized, and the Recursively, the two subsequence's before and after it are compared until there's nothing more to match. Finding the central match is completed by matching the ends of sub-sequences as closely as possible; if this is not possible, increase the edit script by 1 and scan every position up to that point to there for every diagonal and see how far again matches can go, if a match encounter a match of the opposite end, the algorithm just found the central match. This method has the advantage of using $O(m+n)$ memory and executing in $O(nd)$, where d is the complexity of the edit script.

IV. Conclusion

It has been an enormous honour, pleasure, and challenge to possess this oppor-

tunity to require up this project and complete it successfully. It had been a nice experience working with the professors. This may be helpful when we will work in industry & educational field where we will put all these it in our practice. I've been working on this method called "COLLEGE NOTES GALLERY" got learnt a lot about the working of system. During the event process, I've got understand the concept of designing and building a system. While performing on my system I have used all the knowledge which was taught us and every one that makes this project complete. It's been a matter of immense pleasure, honour and challenge to possess this opportunity to take up this project and complete it successfully. Working with this has been a pleasant experience. This may be helpful when we will work in industry & educational field where we will put all these it in our practice. While developing this technique "college notes gallery", I've got learnt a lot about the working of system. During the event process, I've got understand the concept of designing and building a system. While performing on my system I have used all the knowledge which was taught us and all that makes this project complete constructing this system college notes gallery has taught me a lot about how the system functions. I have gained an understanding of the idea of creating and constructing a system throughout the development process. I applied every piece of information that was presented to us

while building my system, and that is what makes this project successful.

VI. References

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